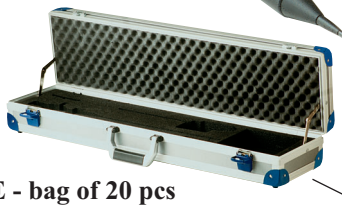
German ENT Endoscopes

Code 71602 FLEXIBLE NOSEPHARYNGOSCOPE
It includes fibre optic cable and rigid case for transport, conventional image guide system, 2 way deflection, one hand operation, completely soakable. Resolution: 8,000 pixels.

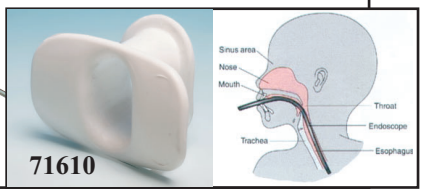
Technical specifications:
Working length: 300 mm Working Ø: 3.2 mm
Deflection: up 160°, down 160°
Length of movable tip section: 20 mm
Direction of view: 0° Field of view: wide angle
Depth of focus: 3-60 mm - angle of: 80°
Made in Germany

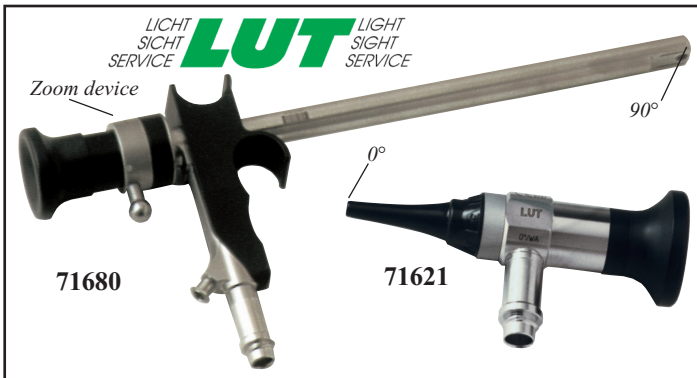
New:3.2 mm diameter



Rigid case supplied with code 71602

Code 71610 ENDOSCOPY MOUTHPIECE - bag of 20 pcs
Disposable bite blocks

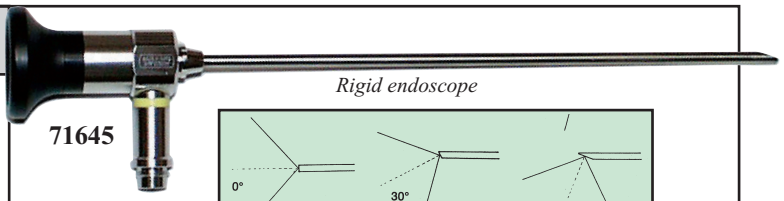




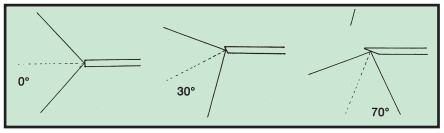
Code 71680 LOOP LARYNGOSCOPE Ø 10 x 153 mm - 90°
Code 71681 TELE-LARYNGO-PHARYNGOSCOPE Ø 8 x 164 mm - 70°
Code 71682 TELE-LARYNGO-PHARYNGOSCOPE Ø 6 x 164 mm - 70°
Sharp image, significant depth of field
-high performance illumination
- two different degrees of magnification:
panoramic view and examination of details (only 71680)
- integrated air channel for prevention of misted objective (only 71680)
- soakable and designed for gas sterilization
- working distance 15 mm to ∞

Code 71621 F.O. OTOSCOPE Ø 2.7 x 34 mm - 0°
Code 30795 FLYER HANDLE - light source for endoscopes

GIMA code	Rigid endoscopes made in Germany To be used for ENT and ARTHROSCOPY applications
71630	Telescope Ø 1.7 x 96 mm - 0°
71641	Telescope Ø 2.7 x 110 mm - 0° - autoclavable
71643	Telescope Ø 2.7 x 110 mm - 30°- autoclavable
71645	Telescope Ø 2.7 x 110 mm - 70°- autoclavable
70012	Telescope Ø 2.7 x 187 mm - 0°- autoclavable
70014	Telescope Ø 2.7 x 187 mm - 30°- autoclavable
70016	Telescope Ø 2.7 x 187 mm - 70°- autoclavable
71661	Telescope Ø 4 x 175 mm - 0° - autoclavable
71665	Telescope Ø 4 x 175 mm - 30° - autoclavable
71668	Telescope Ø 4 x 175 mm - 45° - autoclavable
71667	Telescope Ø 4 x 175 mm - 70° - autoclavable



Rigid endoscope



GIMA code	Rigid endoscopes - not autoclavable to be used for ENT and Arthroscopy applications
72007	Telescope Ø 2.7 x 105 mm - 0°
72008	Telescope Ø 2.7 x 105 mm - 30°
72009	Telescope Ø 2.7 x 105 mm - 70°
72010	Telescope Ø 4 x 175 mm - 0°
72011	Telescope Ø 4 x 175 mm - 30°
72012	Telescope Ø 4 x 175 mm - 70°
72013	Telescope Ø 4 x 175 mm - 45°

Nystagmus Spectacles - Dr. Frenzel

Code 31204 NYSTAGMUS SPECTACLES - DR.FRENZEL
Easy to use in the search of spontaneous or provoked nystagmus. Fixed, biconvex lens + 18.0 diopters.
Nystagmus spectacles should be connected only with < 42V transformer as from safety norms 93/42/EEC, see "GIMA5" at page 94. Made in Germany.

Code 31206 BATTERY NYSTAGMUS SPECTACLES
This model allows wireless working and is not bound to power supply. The Nystagmus Spectacle is provided with power through the adjustable battery placed above the spectacle and requires three 1.5 Volt batteries, size C LR14/AM-2 (baby cells). Illumination can be adjusted through a turn of the switch.

Code 31130 AC/DC TRANSFORMER - see at page 94.
Code 31208 NYSTAGMUS LAMP - spare
4 Volt 0.230 Ampere, 1 Watt threading diam. 3.5 x 0.35 mm

Transformer not required

150 W Halogen Light Sources

Opening for quick bulb replacement
Adjustable intensity knob
Thanks to connectors it can be used with STORZ, WOLF, OLYMPUS, PENTAX, FUJI cables
30801
Low noise fan

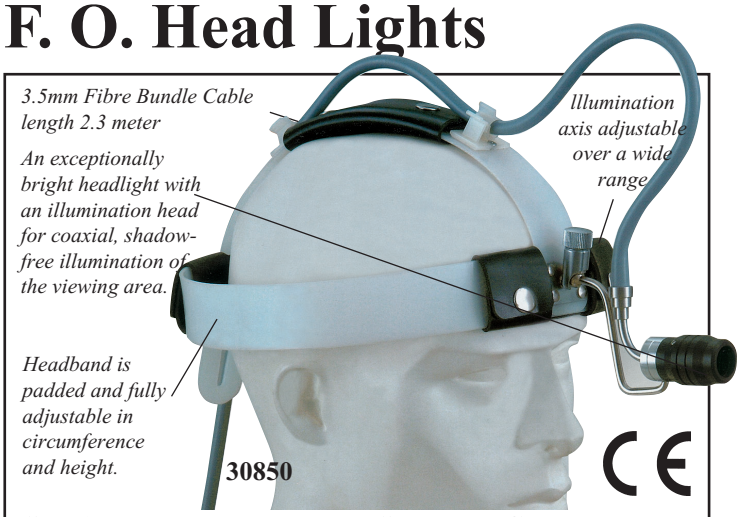
Code 30801 GIMA LIGHT SOURCE 150 Watt
Compact, lightweight, powerful light source for endoscopic use. Equipped with a 150 watt halogen bulb.
It has a small opening on the upper side for easy and quick replacement. A low noise fan positioned behind the halogen bulb provides the necessary cooling inside the metallic structure of the light source. A variable-intensity regulator enables selection 50 to 150 W. User manual in English, Spanish, French, Italian, Greek, Portuguese.

Code 30802 GIMA DOUBLE LIGHT SOURCE 150 Watt x 2
Similar to 30801, but with 2 independent bulbs, to illuminate at the same time 2 instruments or to quickly change if one bulb burns out.

GIMA code	Connectors for GIMA light source to different cables
30810	STORZ cable connector
30811	WOLF cable connector
30812	OLYMPUS cable connector
30815	PENTAX cable connector
30808	Spare lamp for GIMA light source

Technical specifications: 30801/2
Input for GIMA, SCHOLLY and LUT cables
Dimension: 21x20x h 11 cm / 29 x 20.7 x h 13.5 cm
Max power absoption: 170 Watt / 340 Watt
Two protection fuses: 1.6 A.T.
Power supply: 230V-50 Hz
Norms: IEC 601-1 - 93/42/EEC (Class: I - Type: BF)
Made in Italy: GIMA S.p.a.

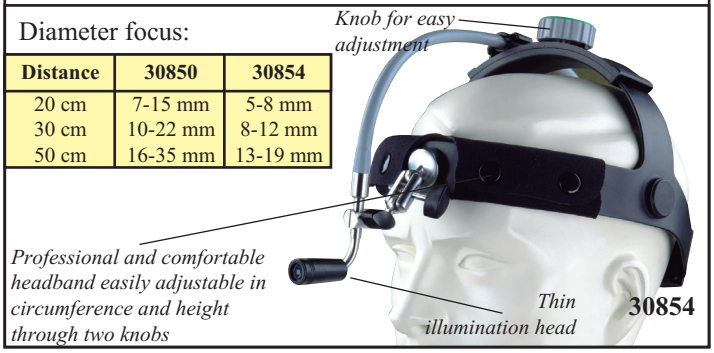
F. O. Head Lights


3.5mm Fibre Bundle Cable length 2.3 meter
An exceptionally bright headlight with an illumination head for coaxial, shadow-free illumination of the viewing area.
Illumination axis adjustable over a wide range
Headband is padded and fully adjustable in circumference and height.
30850

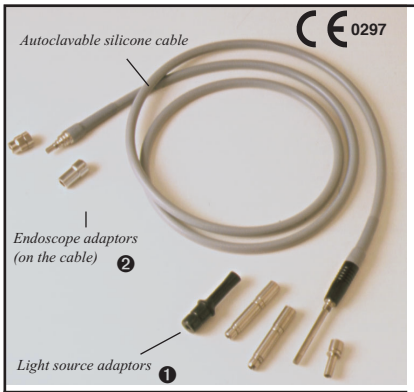
Code 30850 WIDA FIBRE OPTIC HEAD LIGHT
Code 30854 WIDA PLUS F.O. HEAD LIGHT
fibre optic cable complete with head light system
WIDA illumination systems are available in two versions: one with simple headband and standard illumination head, the other with professional headband, easily adjustable, and thin head. Both include F.O. cable with adaptor for connection to GIMA light sources (30801-30802). Here below are available connectors to other light sources. Light beam can be focused through a focusing ring.
Code 30851 FOCUS DEVICE (for WIDA 30850)useful for ENT applications. It reduces light in a very luminous spot Ø 5 mm

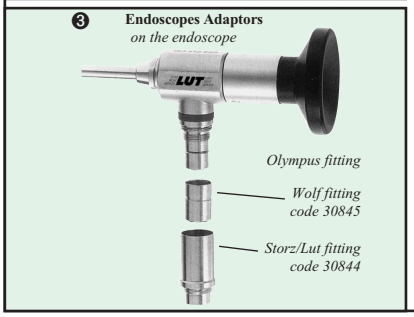
Diameter focus:

Distance	30850	30854
20 cm	7-15 mm	5-8 mm
30 cm	10-22 mm	8-12 mm
50 cm	16-35 mm	13-19 mm

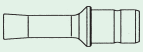

Knob for easy adjustment
Professional and comfortable headband easily adjustable in circumference and height through two knobs
Thin illumination head
30854

Surgical Fibre Optic light cables and adaptors



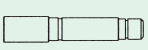


❶ **LIGHT SOURCE ADAPTORS**
to connect GIMA F.O. cables to light sources

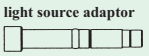


Code 30830 GIMA light source adaptor

Code 30831 STORZ - AESCULAP-MARTIN light source adaptor



Code 30832 WOLF - HENKE SASS - DYONICS -MEDICON - COMEG light source adaptor



Code 30833 OLYMPUS light source ad.
Code 30834 ACMI light source adaptor
Code 30836 FUJI light source adaptor
Code 30837 PENTAX light source ad.

ENDOSCOPE ADAPTORS - on the cables
to connect endoscopes to GIMA F.O. cables
❷

Code 30840 ENDO STORZ adaptor

Code 30841 ENDO WOLF adaptor
Code 30842 ENDO ACM, OLYMPUS-STRYKER adaptor

Code 30818 FIBRE OPTIC CABLE 4.8 x 1,800 mm.
Code 30822 FIBRE OPTIC CABLE 3.5 x 2,300 mm.
Code 30823 FIBRE OPTIC CABLE 4.8 x 2,300 mm.
Code 30826 FIBRE OPTIC CABLE 4.8 x 3,000 mm.
High transmission surgical light cables, armoured but highly flexible with unique features:
- no burn outs
- strain relieved by kevlar and protected by **silicone hose**
- **steam autoclavable** with warranty (12 months)
- light source end temperature resistant up to 300°C
- kink resistant
- no electrical interferences with endoscopic surgery units
- quality according MedGV and CE (min. 5000 V overvoltage protection)
- serial number reference marked on each cable
- stainless steel adaptors enables our cables to be used with other manufacturers light sources/instruments

Code 29975 FIBRE OPTIC CLAMP
❸ ENDOSCOPE ADAPTORS - on the endoscope
to connect endoscopes to GIMA F.O. cables
Code 30844 STORZ/LUT ENDOSCOPE ADAPTORS
Code 30845 WOLF ENDOSCOPE ADAPTORS

LED Technology Light Sources and LED Head Light

Code 30880 PORTABLE LED LIGHT SOURCE
Portable LED extra white light source provided of a PVC handle, with STORZ adapter, to be connected to endoscopes and lighted instruments without the need of F.O. cable.
It is operated by 10 AA **rechargeable batteries,** 230V Trasformer 230V included (110 V on request).
Supplied with transport case.

Technical specifications	
Power supply:	12 VDC 2.0 A
Led intensity:	5 Watt
Colour temperature:	5,500°K
ABS case dimensions:	225x225xh75 mm
PVC handle:	86x40 mm
Weight:	0.35 g
Made in Italy	

Powerful LED illumination

HEINE OPTOTECHNIK

Code 30885 HEINE 3S LED HEAD LIGHT
The new ultra bright and compact 3S LED HeadLight from HEINE for powerful, coaxing illumination.
- **30,000 Lux of bright, white light:**
With a reference colour temperature of 6,000 Kelvin and an extraordinary 30,000 Lux of illumination, the 3S LED HeadLight is more than twice as bright as other standard LED and conventional Headlights
- **Compact and Light-Weight:**
The compact design ensures clear, unobstructed coaxial illumination. The 3S LED HeadLight weighs only 70 grams ensuring user comfort even during long periods of use.
- **Flexibility:**
Continuosly adjustable spot size and brightness control. Mains or 2.5 hours operating time with portable power supply. Rechargeable battery pack and direct mains transformer included.

Technical specifications	
Power supply:	Rechargeble Battery Pack with NiMH battery and direct mains transformer
Illumination:	30,000 lux at a working distance of 250 mm
LED operating life:	20 hours
Spot adjustment:	20 mm to 130 mm illuminated field diameter (at 500 mm)
Colour temperature:	6,000°K Made in Germany

Cameras and monitors, medical certified

GIMA code	Cameras, accessories and monitor
72509	C1 Compact Camera CCD chip 1/3 - soakable head and cable
72524	C1 Multi Camera CCD chip 1/2 - soakable head and cable
72530	C3 Multi 3 CCD Camera
72580	TV adaptor 25 mm (ACM ocular -C-mount)
72581	TV adaptor 30 mm (ACM ocular -C-mount)
72705	LCD Medical Monitor 15"
72704	Sony LMD 1420 MD - LCD Monitor - 14"

Medical Cameras - Technical specifications	72509	72524	72530
Resolution PAL (lines horizontal):	625	460	600
Video system:	PAL 1/3 CCD - CHIP	PAL/NTSC	PAL/NTSC
Video outputs:	Y/C (S-VHS), F BAS	Y/C (S-VHS) F BAS	FBAS, RGB Y/C (S-VHS)
Size (w x h x d): mm/Weight	150 x 80 x 30 mm	360 x 88 x 320 mm - 4 kg	
Norms:	EN60601-1-BF/CE		
Power supply:	100/230 V - 50-60/Hz		
	Made in Germany		
Camera head:	Ø44x135mm, 180 g	Ø20x90mm	32x49x75 mm

Flat medical approved monitor
Power: 100-240 V 50/60 Hz

SONY®

Image size: 283x212 mm
Resolution: 640x480 pixel (VGA)

72704

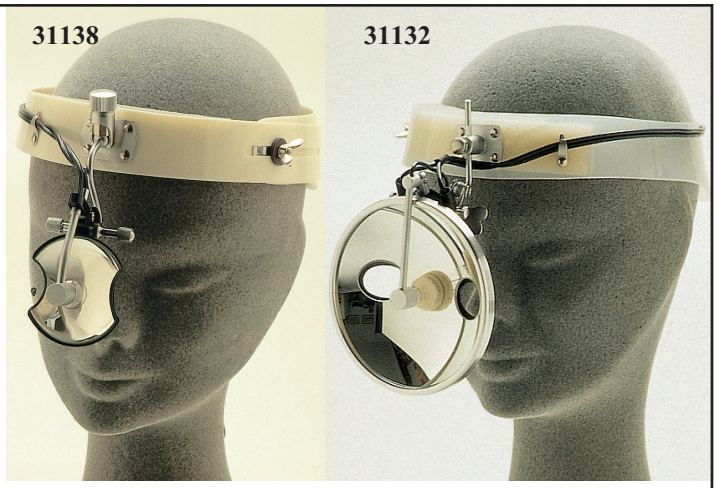
ENT Head Mirrors and Gima AC/DC Transformer

Code 31130 AC/DC TRANSFORMER GIMA 5
This is a real transformer to feed Clar and Storz mirrors, Nystagmus glasses and any instrument which requires from 1.2V to 10V dc 500 mA power.

Technical specifications

Absorption: 6.6 Watt.	Power supply: 230 V - 50 Hz
Made in Italy	Warranty: 12 months
Size: 163 x 105 x 60 mm	Norms: 93/42/EEC
User manual: English, Spanish, French, Italian, Greek, Portuguese.	

GIMA code	Mirror's accessories	Minimum order
31133	Spare glass for Clar mirror	-
31136	Spare glass for Storz mirror	-
31139	Spare glass for Storz mirror with reg.	-
31145	Bulbs for Clar and Storz mirrors (6 volt)	10 pcs.



Code 31132 CLAR MIRROR - Ø 100 mm
Classic ENT head mirror (diameter 100 mm) in special German glass, mounted on an adjustable band
Bulb and power cable included.
Sold in cardboard box.
Made in Germany.

Code 31135 STORZ MIRROR - Ø 55 mm
Classic ENT head mirror (diameter 55 mm) in special German glass, mounted on an adjustable band
Bulb and power cable included.
Sold in cardboard box.
Made in Germany.

Code 31138 STORZ MIRROR WITH FOCUS REGULATION - Ø 55 mm
Storz mirror as above but with focusing device.

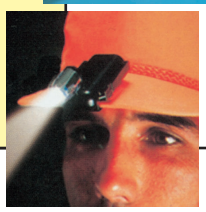
Vision Xenon Battery Headlight

BULB APPROVALS
FM MSHA CSA Ex CE Approved

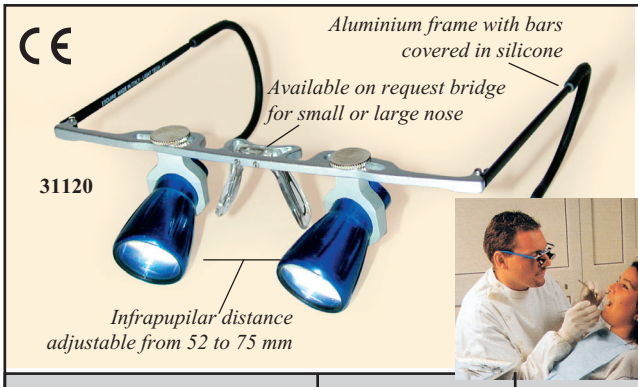
Code 30855 VISION XENON LIGHT- with soft headband
Code 30856 VISION PLUS XENON LIGHT with rigid headband
Cordless lightweight headlight with xenon incandescent lamp suitable for mobile purpose and ENT examinations, available in two versions: with rigid head band for professional use and with soft headband for a more versatile use.
This headlight provides an incomparable mobility, an intensive and white light as well as a simple and comfortable handling.
A special mirror focuses the beam to a concentrate spot.
Code 30857 SPARE BULB for VISION
Code 32201 "AA" ALKALINE BATTERIES - blister of 4

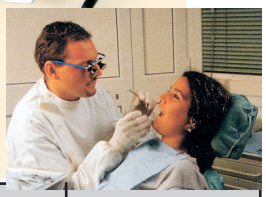
Technical specifications
Weight: 160 g (incl. Batteries)
Power supply: 2x alkaline batteries size AA (included)
Bulb: 6.000 candle power xenon lamp (7 lumens)
Color temperature: approximately 3200° K
Headband: - elasticated softband for code 30855
- rigid adjustable band for code 30856
Light outlet: height and inclination angle adjustable

If working distance:	20 cm	30 cm
Then Spot-Ø	50 mm	65 mm
Intensity:	3200 lux	1500 lux



Galileian Surgical and Dental Telescopes


Aluminium frame with bars covered in silicone
Available on request bridge for small or large nose
31120
Infrapupilar distance adjustable from 52 to 75 mm



Light-Tech Telescopes	Dental		Surgical	
	31120	31121	31122	31123
Magnification	2X	3X	2X	3X
Objective aperture mm	30	22	30	22
Ocular lens aperture	11	11	11	11
Field of view at 400 mm	100	45	130	80
Length of telescope mm	33	33	33	33
Working distance mm	350	350	450	450
Weight g	15	12	15	12
Depth of field mm	120	90	150	110

Lynx Galilean Telescopes	Dental		Surgical	
	31175	31176	31177	31178
Magnification	2X	3X	2X	3X
Objective aperture mm	30	22	30	22
Ocular lens aperture	11	11	11	11
Field of view at 400 mm	100	45	130	80
Length of telescope mm	33	33	33	33
Working distance mm	350	350	450	450
Weight g	70	75	70	75
Depth of field mm	120	90	150	110

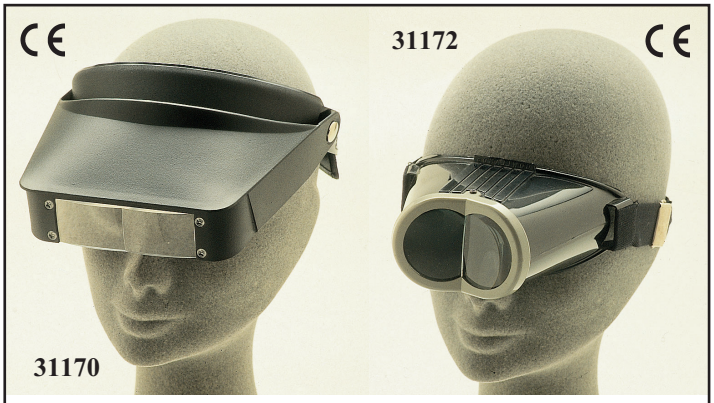
Head Keplerian Telescopes

PROFESSIONAL KEPLERIAN PRISMATIC HEAD TELESCOPES
Ergonomic surgical head system, with joint, adaptable to any conformation of the head, with interchangeable optics, high precision mechanics, easily adjustable.
Made in Italy.

Keplerian Telescopes	Dental				Surgical
	31153	31154*	31156*	31150*	31163
Magnification	3X	4X	6X	other	3X
Objective aperture mm	12	12	12		12
Ocular lens aperture	12	12	12	12	12
Field of view at 400 mm	110	95	80		106
Length of telescope mm	50	50	56		60
Working distance mm	350	350	350	350	450
Weight g	280	280	310		320
Depth of field mm	130	110	60		130

* products not in stock, available in 30 days
Other magnifications: 3.5X, 4.5X, 5X, 6X, 8X, 10X, available in 30 days, ask for specifications

Magnifying Loupes



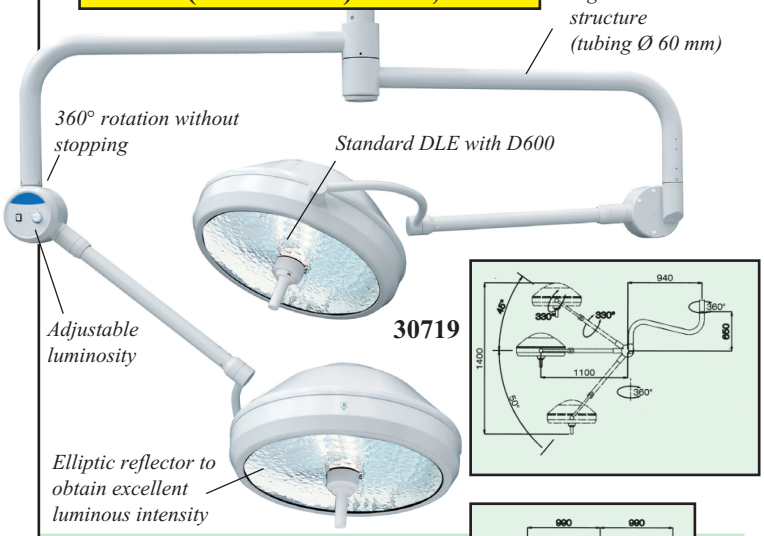
Code 31170 HEAD LOUPE two magnifying systems (2.2X and 3.3X).
The system is mounted on an adjustable webbing head band and provided with two separate lenses.
The first lens provides a 2.2 X magnification, moving down the second lens, we reach a total 3.3 X magnification.
The superior quality of this lens permits high precision examinations. The HEAD LOUPE magnifying system can be used in combination with any kind of glasses. Made in Italy.

Code 31172 BERGER BINOCULAR LOUPE 3.5x
Two optically worked glass sphero-prism in a moulded nylon body give an approximate 3.5 X magnification.
On adjustable webbing head band.
Made in UK.

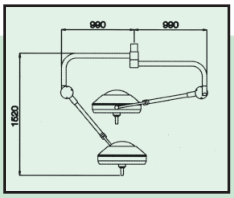
Code 31142 ZIEGLER MIRROR - Ø 90 mm
Concave back-silvered mirror, 90 mm diameter with 13 mm diameter hole, on adjustable band.
Special mount permits replacement of glass mirror in event of breakage.
Made in Germany.

Operating Theatre Lights for Major Surgery: 300,000 lux

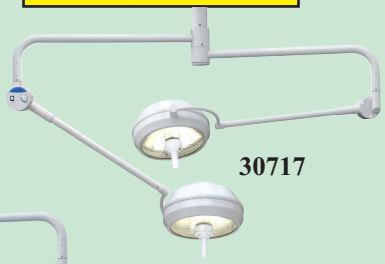
D 1200 (D600+D600): : 300,000 lux


Light aluminium structure (tubing Ø 60 mm)
360° rotation without stopping
Standard DLE with D600
Adjustable luminosity
30719
Elliptic reflector to obtain excellent luminous intensity

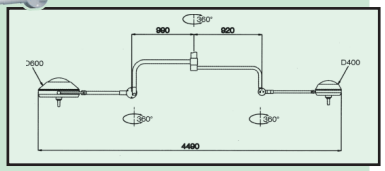
D 600: 150,000 lux

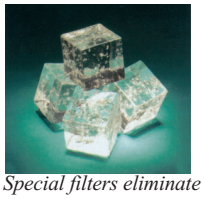


D 800 (D400+D400): 200,000 lux



D 1000 (D600+D400): 250,000 lux





Special filters eliminate infrared rays guaranteeing cold light

Shadowless: total elimination of the shadows from operating field

Depth of light to hightlight details

ELLIPTIC LIGHTS

The correct illumination of the operating field requires "Quality light". Quality GIMA offer, satisfy requisites of quality:
- exact reproduction of IRC colours
- total elimination of the shadows on the operation field
- depth illumination to highlight smallest details
- cold light, avoiding dehydration of the tissue
- uniform wave length

These high technology apparatus are designed to guarantee technical-illumination performance, unique of its kind. Complex mathematical calculations have allowed the creation of the original and revolutionary stratified and in-depth multi-elliptical reflector for intense shadowless light. The reduced dimensions and the lightness of the reflector give the product stability and make it extremely easy to handle. Special filters eliminate the infrared rays generated by the halogen lamp, guaranteeing cold light.
The luminous beam is always in focus, from a minimum distance of 60 cm. The diameter of the illuminated field is manually adjustable by rotating the sterilizable handle at the centre of the reflector.
Other features:
- Luminous intensity can be adjusted electronically by 20000 lux at maximum intensity
- Central and lateral non stop 360° rotation
- Rapid engagement handle sterilizable at 134°C
- Diffusion screen in tempered glass protects luminous source
- Light aluminium structure (Ø 60 mm) for easy installation
- Optional battery group consisting of batteries, battery charger, and electric circuit with autonomy 1 hour.
- "Elliptic" reflector for excellent luminous intensity
- DLE device consisting of electronic commutation card and reserve lamp for immediate reserve lamp switch-on in case of damage of main lamp (standard for D600, optional for D400).

Lights include iron anchoring tube, ceiling welded plate, covering and control panel for light intensity regulation.
Conform to the 93/42 CE Medical Device directive and marked CE as a CLASS I medical device.

GIMA code	Elliptic Scialytic lights*
30716	D600 Elliptic light: 150,000 lux
30717	D800 Elliptic light: 200,000 lux (100,000+100,000)
30718	D1000 Elliptic light: 250,000 lux (150,000+100,000)
30719	D1200 Elliptic light: 300,000 lux (150,000+150,000)

**Specify ceiling height with order*

GIMA code	Accessories
30731	Spare bulb D400
30729	Spare bulb D600
30732	Spare autoclavable handle
30728	DLE commutation with reserve bulb**
30726	Battery group for D600***
30727	Battery group for D800/D1000/D1200***

***Standard with D600, optional for D400 *** To be installed at order*

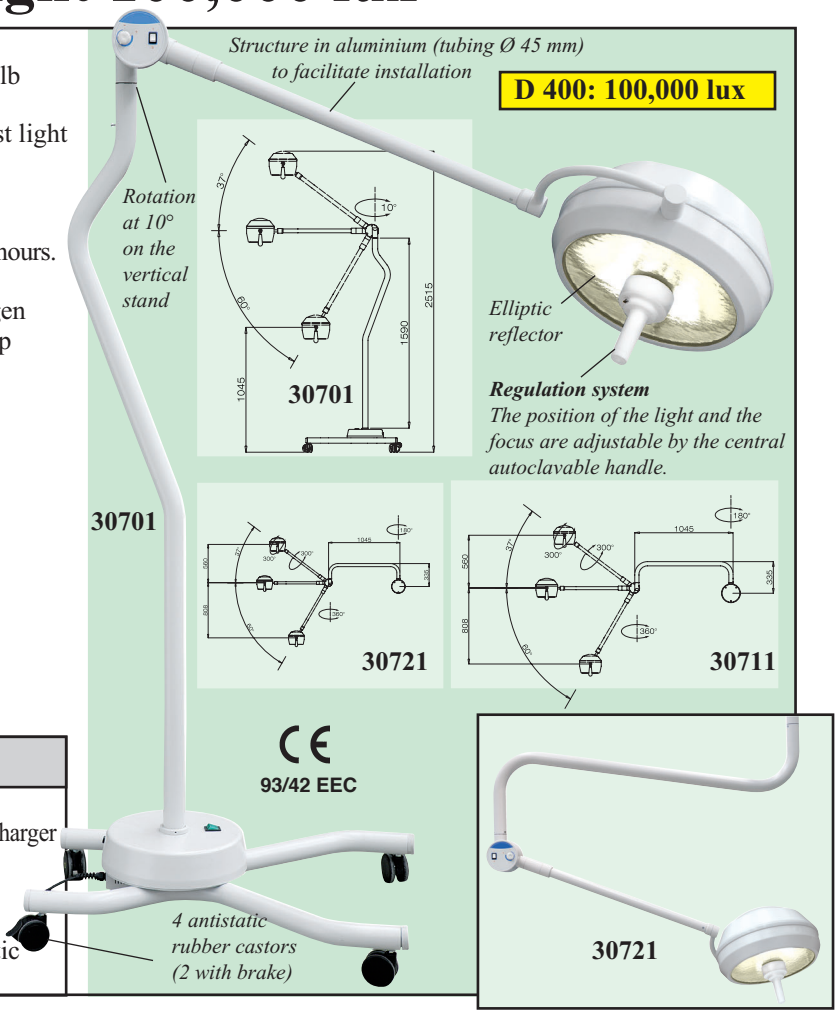
Technical specifications:			**30716**	**30717**	**30718**	**30719**
Performance	Light intensity at 1 m distance (Ec)	klx	150	200 (100+100)	250 (150+100)	300 (150+150)
	Color temperature of radiated energy	°K	4200	4200	4200	4200
	Color rendering index (CRI)	Ra	94	94	94	94
	Light field adjustable from/to	cm	11/23	10/18	11/23	11/23
	Total radiated energy Ee where the illumination reaches max level	W/m²	490	230+230	490+230	490+490
Electrical data	Operating power	V	230 (110 on request) - 50/60 Hz			
	Electrical absorption	VA	190	120+120	190+120	190+190
	Lamp type (24V)	W	150	100+100	150+100	150+150
	Average lamp life	h	1000	2000+2000	1000+2000	1000+1000
	Electrical control of the illumination		dimmer	dimmer	dimmer	dimmer
General data	Colour		Ral 7035	Ral 7035	Ral 7035	Ral7035
	Minimum height of the room	cm	299	270	279	289
	Norms	Standard	93/42 EEC - IEC 60601-2-41			
	Diameter of the cupole	cm	63	40+40	63+40	63+63
	Diameter of elliptic reflector	cm	56	36+36	56+36	56+56
	Useful lighting surface	cm²	2310	740+740	2310+740	2310+2310
	Weight	Kg	45	35+35	45+35	45+45

Single Bulb Scialytic Light 100,000 lux

D400 SINGLE-BULB SCIALYTIC LIGHT
Modern scialytic light with innovative design. Its single bulb system focuses the light deeply inside tissues and not only around them. A sterilisable handle enables the user to adjust light field size. Uniform parabola shape for easy cleaning.
Scialytic light with battery group.
Available with battery group with automatic charger, lead acid battery, free maintenance, autonomy 1 hour, recharging time 6 hours.
DLE - Lamp switch automatic system - available on request
Light can be equipped with 2 electronically controlled halogen lamps. In case the main lamp does not work, the second lamp automatically takes over it and a LED flashes to warn.

Technical specifications
Halogen bulb 100 W 24V G 6.35
Power consumption: 100 W
Bulb life: 2,000 h at 22.8 V
Light intensity: 100,000 lux from the distance of 1 m.
Colour temperature: 4,200 K +/- 5%
Diameter illuminated field: from 100 to 180 mm.
External diameter of the reflector: 400 mm.
Colour: white RAL 7035
Regulations: IEC 60601-2-41 CE 93/42/EEC, EMC 89/336CEE
Weight: 34 Kg. (mobile stand version)
Power supply: 230/24 V - 50 Hz. (110V on request)
Made in Italy

GIMA code	D400 Single bulb scialytic lights
30701	Scialytic light - mobile
30702	Scialytic light - mobile with Battery group and automatic charger
30711	Scialytic light - wall
30721	Scialytic light - ceiling
30731	Spare halogen bulb 100 W, 24 V
30732	Spare autoclavable handle - for single bulb scialytic
30728	DLE - Lamp switch automatic system

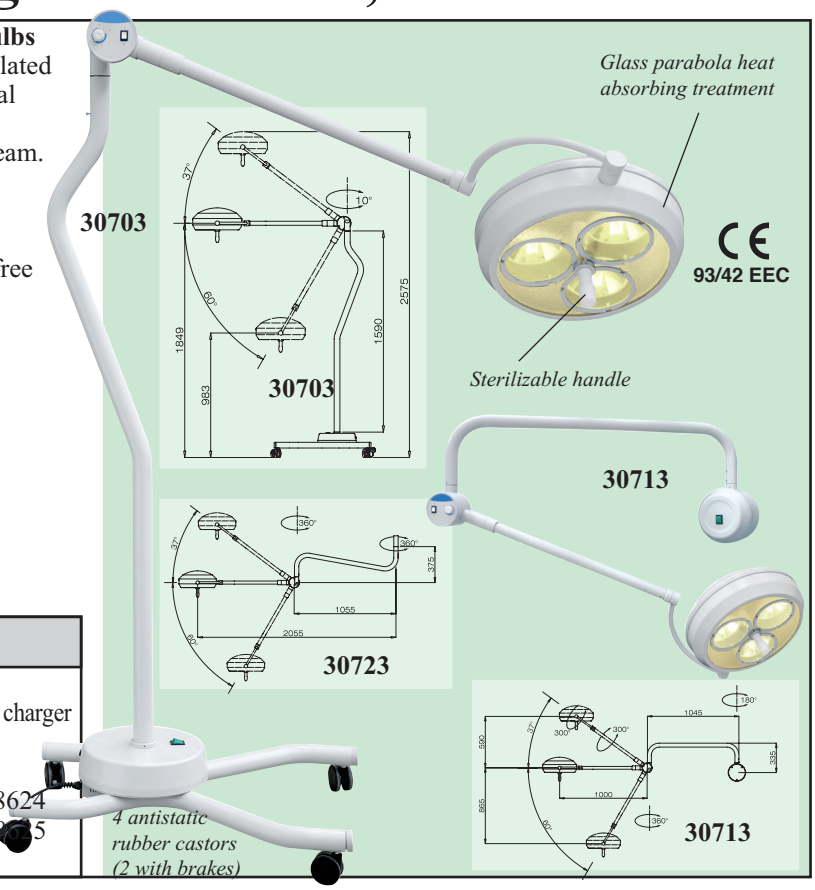


Scialytic Lights - 3 halogen bulbs - 50,000 lux

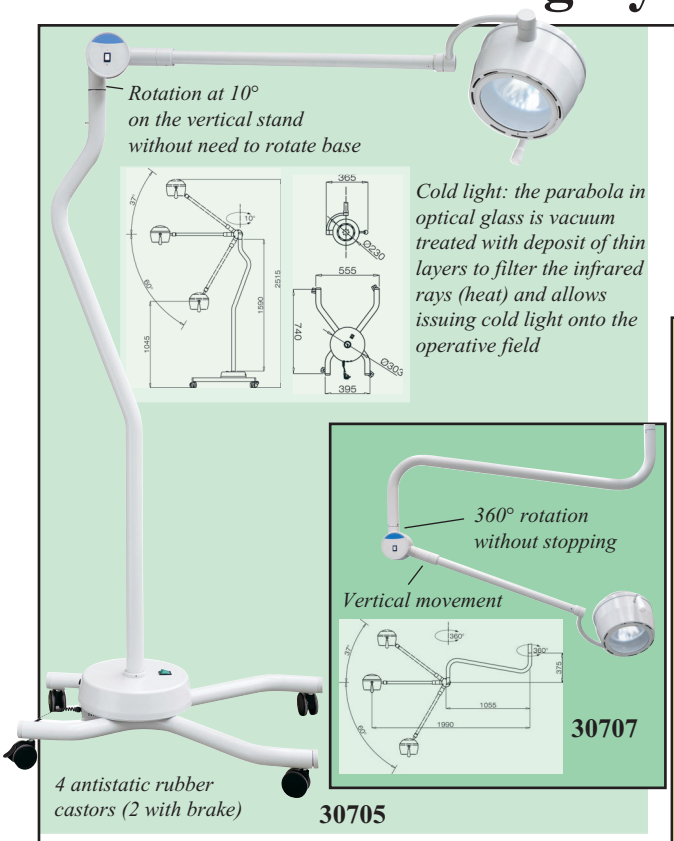
SCIALYTIC LIGHT with three 25W-12V halogen bulbs
The multiple luminous fonts and the parabolic arch calculated for each parabola avoid shaded areas. Sensible mechanical movement allows easy positioning and adjustability.
A practical sterilizable handle allows to focus the light beam.
Does not require periodical maintenance.
Bulb-replacement (life 3,000 hours) is extremely easy.
Battery group with automatic charger:
Light is available with battery group. Lead acid battery, free maintenance, autonomy 1 hour, recharging time 6 hours.

Technical specifications
Light intensity: 50.000 lux from a distance of 1 m
Diameter of the reflector: 400 mm.
Light field size adjustable from-to: 84-160 mm
Bulbs: 3 x 25 W - 12 V halogen - life 3000 h
Colour temperature: 4.000° K +/- 5%
Power supply: 230/12V - 50 Hz (110V on request)
Norms: IEC 60601-1, IEC 60601-2-41 - MDD 93/42/EEC
Made in Italy Warranty: 12 months
Mechanical components warranty: 10 years

GIMA code	Scialytic lights with 3 halogen bulbs
30703	Scialytic light - mobile stand
30704	Scialytic light - mobile with Battery group and automatic charger
30713	Scialytic light - wall
30723	Scialytic light - ceiling
30733	Spare halogen bulb 24W, 12V - up to serial no. 8624
30735	Spare halogen bulb 25W, 12V - since serial no. 8625
30734	Spare autoclavable handle - for scialytic 3 bulbs



Saturno Minor Surgery Operating Light - 40,000 lux


Rotation at 10° on the vertical stand without need to rotate base
Cold light: the parabola in optical glass is vacuum treated with deposit of thin layers to filter the infrared rays (heat) and allows issuing cold light onto the operative field
360° rotation without stopping
Vertical movement
30707
4 antistatic rubber castors (2 with brake)
30705

MINOR SURGERY LAMP MODEL SATURNO

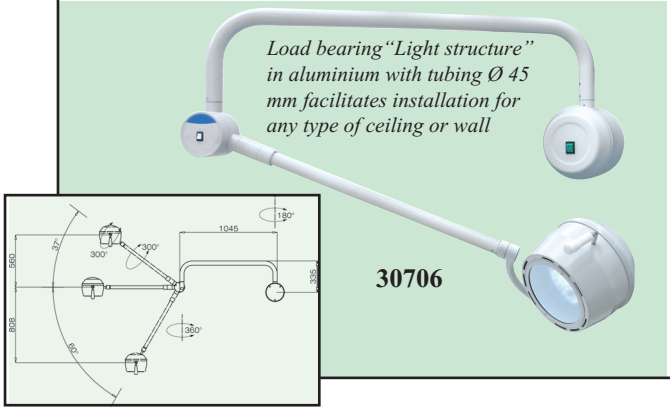
SATURNO is a shadow-less type lamp suitable for small surgery and first-aid room. Available in three versions: mobile with castors, wall and ceiling.

- Light beams are generated from a 75W 12V halogen bulb.
- Vacuum treated glass parabola eliminates 98% of IR rays enabling cold light.
- Heat is dissipated through aluminium reflector.
- Glass protection filter grants colour temperature of 4,000K.
- Parabolic arc grants shadow less and deep light, no focus adjustment needed

Technical specification

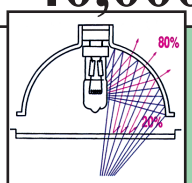
Light intensity at 1 m distance	Klux	40
Color temperature of radiated energy	K°	4.000
Halogen bulb 75W 12V G.6.35	No.	1
Consumption	W	1 x75W
Average lamp life of halogen bulb approximately at 12V	h. ± 10%	1,500
CRI (Colour rendering Index)	Ra	94
Light field where the illumination reaches 10% of Ec (d10)	Ø mm.	150
Depth of illumination (L1+L2) at 20%	mm.	1.280
Focusable at a distance from - to	cm.	60 - 200
Absorption infra-red rays	%	98
Total radiated energy Ec	W/m^2	190
Radiated UV energy with wavelength less than 400 nm	W/m^2	1.9
Light body diameter	mm	230
Glass parabola diameter	mm	160
Useful lighting surface of the cupola	cm^2	200
Sterilizable handle	No.	1
Colour	RAL	7035
Weight (ceiling, mobile, wall)	Kg.	26 - 31 - 22
Power requirements	V	230 (110 on request)
Minimum height of the room (ceiling version)	mm	2,340

Standards:
IEC 60601-2-41, MDD 93/42 CEE, medical device of Class I,


Load bearing "Light structure" in aluminium with tubing Ø 45 mm facilitates installation for any type of ceiling or wall
30706

GIMA code	Saturno Lights
30705	Saturno light - mobile stand
30709	Saturno light - mobile stand with battery group with automatic charger - autonomy 1 hour
30706	Saturno light - wall
30707	Saturno light - ceiling
30708	Spare halogen bulb 75W - 12V - G 6.35
	Battery group available on request for all models

Scialytic-Type Light - 40,000 lux



Code 30700 POLAR LIGHT - on trolley
Scialytic-type lamp with cold and deep light
Halogen 50W 24V - 40.000 lux

The light beam is generated by halogen bulb 50W 24V located inside a fused-glass parabola with thin-layer treatment to filter infrared beams.
This treatment permits to obtain "cold light".
Other fixing systems available (wall, rail, table) - see page 99

Code 30730 SPARE BULB for POLAR LIGHT

Technical specification

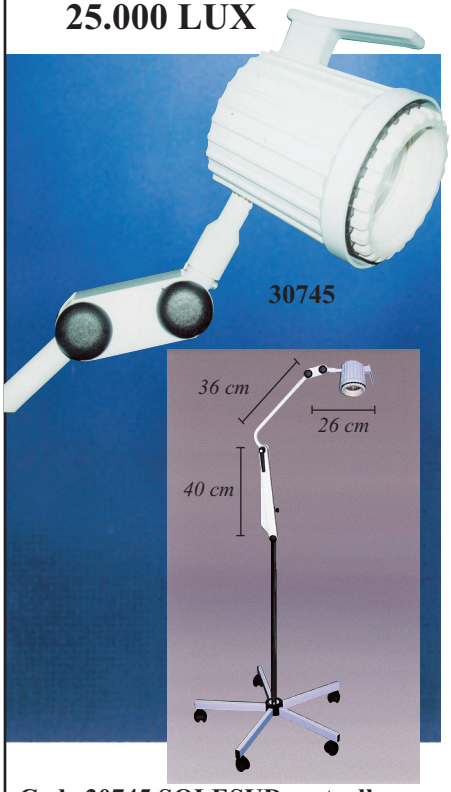
Power consumption: 50 W - 24 V
Bulb life: 1,500 h
Light intensity: 40,000 lux at 50 cm, 25,000 lux at 1 m
Colour temperature: 4000°K +/- 5% at 1 m
Illuminated field at 50 cm: ø 200 mm
External diameter of the reflector: 230 mm
Regulations: CEI 62-5, IEC 601-1
CE, 93/42/EEC, IMQ
Power supply: 230V - 50 Hz - 50 VA
Weight: 12 kg
Made in Italy

CE 93/42

Halogen and fluorescent lights

CE 93/42

25.000 LUX



Code 30745 SOLESUD on trolley
Halogen examination light with articulated joint arm.
Code 30746 SOLESUD wall

Suitable for gynaecology, examination and head-bed. This lamp is equipped with a halogen dichroic bulb 50W 12V situated inside the plastic reflector and protected by a tempered glass. Lamp head is fully sealed against dirt and fluid spray. Arm is made with articulated joint and mechanical frictions. A light beam of 180 mm diameter at a distance of 50 cm allows precise and reliable examinations.
Base with 5 rotary spokes, 900 mm height. Generates a light intensity of: 25,000 lux at 50 cm. Made in Italy.
Code 30765 SPARE BULB SOLESUD - 50W
Code 30769 SPARE TROLLEY

20.000 LUX

CE 73/23

Code 30760 SIMPLEX on trolley
Halogen examination light with flexible arm.
Code 30761 SIMPLEX wall
Code 30762 SIMPLEX table with clamp
An economic solution for your ambulatory!
This lamp is equipped with a halogen dichroic bulb 35W 12V situated inside the aluminium reflector and protected by a tempered glass.
Thanks to its flexible arm (700 mm long) it bends everywhere the task requires without interfering with operator's view.
Supplied on a 5 castors stand for easier mobility.
Generates a light intensity of: 20,000 lux at 50 cm. Made in Italy.
Code 30766 SPARE BULB SIMPLEX - 35 W
Code 30768 SPARE TROLLEY

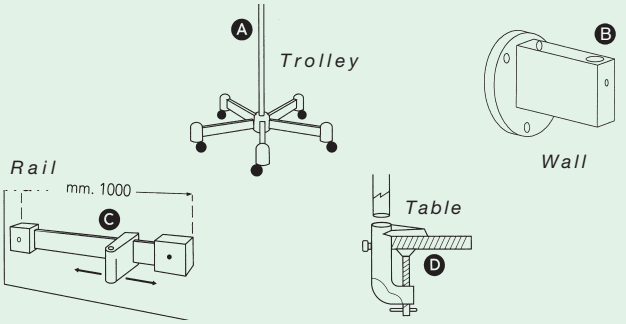
Code 30740 SOLENORD on trolley
Magnifying glass self-illuminating fluorescent cold light - 3 dioptres
Code 30741 SOLENORD wall
Suggested for dermatology, this model is equipped with a biconvex magnifying glass diameter 120 mm, in optical glass. The cold fluorescent light allows prolonged use.
Light source protection in plexiglass.
Thanks to its spring arm and to the 5 castors trolley it is very easy to change its position whenever necessary.
Fluorescent circline 230 V. This light has been certified by IMQ the most important Italian notified body for certification. Made in Italy.
Code 30767 SPARE FLUORESCENT LAMP - 22W
Code 30769 SPARE TROLLEY

All lights available also at 110 V

Model	SOLESUD	SIMPLEX	SOLENORD
Type of lighting	halogen	halogen	fluorescent
Consumption (Watt)	50	35	22
Life of the bulbs (hours)	5,000	5,000	6,000
Light intensity at 50 cm (lux)	25,000	20,000	550
Light intensity at 1 m (lux)	6,500	4,500	275
Colour temperature +/- 5% at 1 m (K)	3,000	3,000	4,550
Light field size at 50 cm (ø mm)	180	100	-
Dimmer	yes	no	no
External diameter of the reflector (ø mm)	80	105	230
Temperature increase at 1 m. (°C)	1	1	0
Colour	white	white	white
Norms	IEC 601-1	IEC 598-1	IEC 601-1
Marks	CE93/42	CE73/23/EEC	CE93/42 - IMQ
Weight (kg)	6	5	7
Operating voltage V-Hz	230 - 50/60	230 - 50/60	230 - 50
Adjustment height with castors base: min and max approx cm.	60-180	60-180	60-180

FIXING SYSTEMS

SOLENORD, SOLESUD, SIMPLEX and POLAR are usually supplied on 5 castors trolley. On request we can supply them with wall, table or rail (1,000 mm) connection



Wood Blue Lights: trolley, manual and pocket models

Code 31195 WOOD DELUXE - manual
Code 31199 WOOD DELUXE - on trolley
These new models have integrated rectangular biconvex magnifying glass 105x53 mm - 4 dioptres.
Size: 200x195xh47 mm - Weight: 0,3 kg

Code 31198 NEON BULB 4W - spare

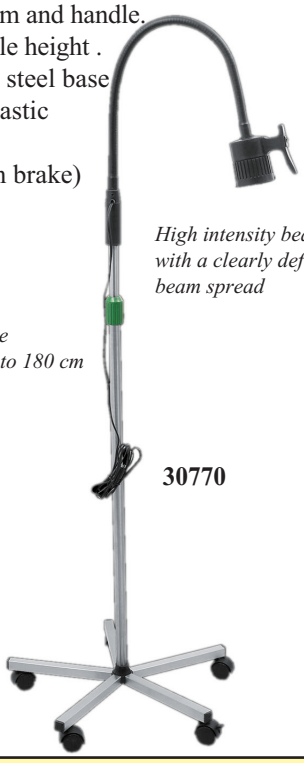
Code 31191 WOOD BLUE LIGHT - manual
Code 31192 WOOD BLUE LIGHT - on trolley
Special blue fluorescent light for the detection of details and colours invisible under normal light system.
Code 31193 1.5X MAGNIFYING LENS - optional
Code 31194 NEON BULB 6W- spare (435 x Ø 25 mm)

Code 31189 POCKET WOOD LIGHT
Pocket ultraviolet light, to detect skin disorders. Also provided with a standard white light 3W. Works with 4xAA batteries with 4-6 hours autonomy.

Technical specifications (31191-31192-31195-31199)
Length long wave 360 nm
Norms: CEI 62-5, IEC 601-1, CE 93/42/EEC
Operating voltage: 230 V-50 Hz (60 Hz on request)
(not available at 110 V)

Halogen light

Code 30770 FOX LIGHT
Halogen examination lamp with flexible plastic arm and handle.
Adjustable height .
Stainless steel base with 5 plastic wheels (one with brake)

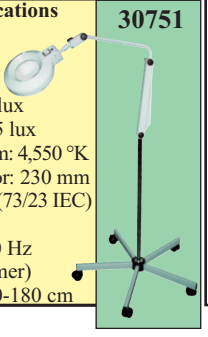


Technical specifications
Consumption: 50 W
Power supply: 230V - 50Hz
Luminous intensity: 13.000
Luminous intensity at 50 cm:
Colour temperature: 3000 K

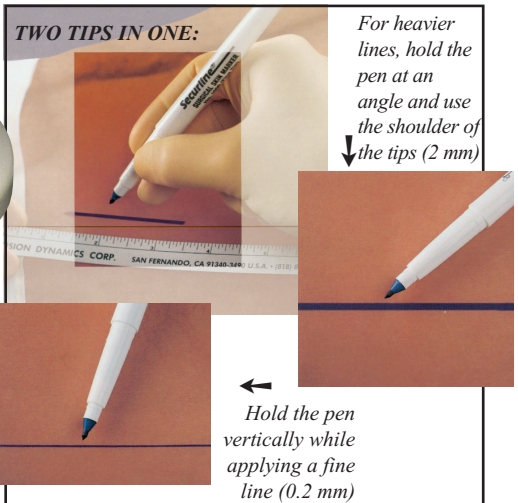
GIMANORD

Code 30750 GIMANORD desk model - with clamp
Code 30751 GIMANORD on trolley
Magnifying glass self-illuminating fluorescent cold light 3 dioptres (1.75 x). Suggested for dermatology, it is equipped with a biconvex magnifying glass Ø 120 mm in optical glass. The cold fluorescent light allows prolonged use. Light source protection in plexiglass. Available also with wall support. Made in Italy.
Code 30767 FLUORESCENT LAMP 22W - SPARE
Code 30769 SPARE TROLLEY

Technical specifications
Type of lighting: fluorescent
Consumption: 22 Watt
Life of the bulbs: 6,000 hours
Light intensity at 50 cm: 550 lux
Light intensity at 1 meter: 275 lux
Colour temperature +/- 5% at 1 m: 4,550 °K
External diameter of the reflector: 230 mm
Norms: IEC 598-1 Marks: CE (73/23 IEC)
Weight: 6 kg
Operating voltage: 230 V - 50 Hz
(available 60 Hz with trasformer)
Adjustable height (30751): 60-180 cm



Skin Marker


TWO TIPS IN ONE:
For heavier lines, hold the pen at an angle and use the shoulder of the tips (2 mm)
Hold the pen vertically while applying a fine line (0.2 mm)

Code 33180 CLINICON - sterile
The Clinicon® **Surgical Skin Marker** features a versatile tip for precise fine line marking preferred in plastic surgery. Or when held at an angle, broad line marking for applications in general, neuro and vascular surgery, as well as radiology and radiation therapy. The marker's Gentian violet ink is nontoxic, non tattoing and surgical prep-resistant. Markings can be removed from the skin with isopropyl (rubbing) alcohol. The gamma radiation sterilized package is easy to open, HIBC bar coded and includes a separate six inch, flexible ruler calibrated in both inches and centimeters. **minimum order: 10 pcs.**